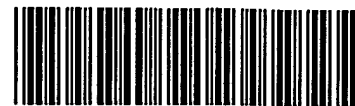


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/672, 177B
Source: IFWO
Date Processed by STIC: 04/26/2006

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/672,177B

TIME: 10:56:36

Input Set : N:\KEISHA\10672177B.txt

Output Set: N:\CRF4\04262006\J672177B.raw

SEQUENCE LISTING**C--> 3 (1) GENERAL INFORMATION:**

- 5 (i) APPLICANT: Lezdey, John
- 6 Lezdey, Darren
- 7 Kronis, Anne
- 9 (ii) TITLE OF INVENTION: DNA FOR EXPRESSION OF ALPHA
- 10 1-ANTITRYPSIN IN METHYLOTROPIC
- 11 YEAST
- 13 (iii) NUMBER OF SEQUENCES: 8
- 15 (iv) CORRESPONDENCE ADDRESS:
- 17 (A) ADDRESSEE: John Lezdey & Associates
- 18 (B) STREET: 2875 MCI DRIVE
- 19 (C) CITY: PINELLAS PARK
- 20 (D) STATE: FLORIDA
- 21 (E) COUNTRY: U.S.A.
- 22 (F) ZIP: 33782
- 24 (v) COMPUTER READABLE FORM:
- 26 (A) MEDIUM TYPE: CD-R
- 27 (B) COMPUTER: Hewlett Packard
- 28 (C) OPERATING SYSTEM: WINDOWS
- 29 (D) SOFTWARE: Microsoft Word
- 31 (vi) CURRENT APPLICATION DATA:

C--> 33 (A) APPLICATION NUMBER: US/10/672,177B**C--> 34 (B) FILING DATE: 26-Sep-2003**

- 36 (vii) PRIOR APPLICATION DATA:
- 38 (A) APPLICATION NUMBER: 09/529,401
- 39 (B) FILING DATE: 15-Mar-2000
- 41 (viii) ATTORNEY/AGENT INFORMATION:
- 43 (A) NAME: Lezdey, John
- 44 (B) REGISTRATION NUMBER: 22,735
- 46 (C) REFERENCE/DOCKET NUMBER: 1435-1
- 48 (ix) TELECOMMUNICATION INFORMATION:
- 50 (A) TELEPHONE: (727) 456-2585
- 51 (B) TELEFAX: (727) 456-2589

54 (2) INFORMATION FOR SEQ ID NO: 1**C--> 56 (i) SEQUENCE CHARACTERISTICS:**

- 58 (A) LENGTH: 32
- 59 (B) TYPE: NUCLEIC ACID
- 60 (C) STRANDEDNESS: SINGLE
- 61 (D) TOPOLOGY: UNKNOWN
- 63 (ii) MOLECULE TYPE: DNA (Genomic DNA)
- 65 (iii) HYPOTHETICAL: No
- 67 (iv) ANTI-SENSE: No

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/672,177B

TIME: 10:56:36

Input Set : N:\KEISHA\10672177B.txt

Output Set: N:\CRF4\04262006\J672177B.raw

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C--> 69      (vi) ORIGINAL SOURCE:
71          (A) ORGANISM: HUMAN
73      (ix) FEATURE:
75          (C) IDENTIFICATION METHOD: gene scan
77      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
78 CTC GAG AAG AGA GAG GAT CCC CAG GGA GAT GC   32
80 (2) INFORMATION FOR SEQ ID NO: 2:
82      (i) SEQUENCE CHARACTERISTICS:
84          (A) LENGTH: 32
85          (B) TYPE: NUCLEIC ACID
86          (C) STRANDEDNESS: SINGLE
87          (D) TOPOLOGY: UNKNOWN
89      (ii) MOLECULE TYPE: DNA (Genomic DNA)
91      (iii) HYPOTHETICAL: No
93      (iv) ANTI-SENSE: No
C--> 95      (vi) ORIGINAL SOURCE:
97          (A) ORGANISM: HUMAN
99      (ix) FEATURE:
101          (C) IDENTIFICATION METHOD: gene scan
103      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
104 GC GGC CGC TTA TTT TTG GGT GGG ATT CAG CAG 32
106 (2) INFORMATION FOR SEQ ID NO: 3
108      (i) SEQUENCE CHARACTERISTICS:
110          (A) LENGTH: 24
111          (B) TYPE: NUCLEIC ACID
112          (C) STRANDEDNESS: SINGLE
W--> 113      (D) TOPOLOGY: UNKNOWN
115      (ii) MOLECULE TYPE: DNA (Genomic DNA)
117      (iii) HYPOTHETICAL: No
119      (iv) ANTI-SENSE: No
C--> 121      (vi) ORIGINAL SOURCE:
C--> 123          (A) ORGANISM: HUMAN
125      (ix) FEATURE:
C--> 127          (C) IDENTIFICATION METHOD: gene scan
129      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
130 CAG AAG ACA GAT ACA TCC CAC CAT   24
132 (2) INFORMATION FOR SEQ ID NO: 4:
134      (i) SEQUENCE CHARACTERISTICS:
136          (A) LENGTH: 22
137          (B) TYPE: NUCLEIC ACID
138          (C) STRANDEDNESS: SINGLE
139          (D) TOPOLOGY: UNKNOWN
141      (ii) MOLECULE TYPE: DNA (Genomic DNA)
143      (iii) HYPOTHETICAL: No
145      (iv) ANTI-SENSE: No
C--> 147      (vi) ORIGINAL SOURCE:
149          (A) ORGANISM: HUMAN
151      (ix) FEATURE:
C--> 153          (C) IDENTIFICATION METHOD: gene scan

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RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/672,177B

TIME: 10:56:36

Input Set : N:\KEISHA\10672177B.txt

Output Set: N:\CRF4\04262006\J672177B.raw

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155      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
156  AGG ATT TCA TCG TGA GTG TCA G      22
159  (2) INFORMATION FOR SEQ ID NO: 5:
161      (i) SEQUENCE CHARACTERISTICS:
163          (A) LENGTH: 24
164          (B) TYPE: NUCLEIC ACID
165          (C) STRANDEDNESS: SINGLE
166          (D) TOPOLOGY: UNKNOWN
168      (ii) MOLECULE TYPE: DNA (Genomic DNA)
170      (iii) HYPOTHETICAL: No
172      (iv) ANTI-SENSE: No
C--> 174      (vi) ORIGINAL SOURCE:
176          (A) ORGANISM: HUMAN
178      (ix) FEATURE:
C--> 180      (C) IDENTIFICATION METHOD: gene scan
182      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
183  TAC TCA AGG GAA AAT TGT GGA TTT      24
187  (2) INFORMATION FOR SEQ ID NO: 6:
189      (i) SEQUENCE CHARACTERISTICS:
191          (A) LENGTH: 24
192          (B) TYPE: NUCLEIC ACID
193          (C) STRANDEDNESS: SINGLE
194          (D) TOPOLOGY: UNKNOWN
196      (ii) MOLECULE TYPE: DNA (Genomic DNA)
198      (iii) HYPOTHETICAL: No
200      (iv) ANTI-SENSE: No
C--> 202      (vi) ORIGINAL SOURCE:
204          (A) ORGANISM: HUMAN
206      (ix) FEATURE:
C--> 208      (C) IDENTIFICATION METHOD: gene scan
210      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
211  AGC TTC TTA CAG TGC TGG ATG TTA      24
214  (2) INFORMATION FOR SEQ ID NO: 7:
216      (i) SEQUENCE CHARACTERISTICS:
218          (A) LENGTH: 24
219          (B) TYPE: NUCLEIC ACID
220          (C) STRANDEDNESS: SINGLE
221          (D) TOPOLOGY: UNKNOWN
223      (ii) MOLECULE TYPE: DNA (Genomic DNA)
225      (iii) HYPOTHETICAL: No
227      (iv) ANTI-SENSE: No
C--> 229      (vi) ORIGINAL SOURCE:
231          (A) ORGANISM: HUMAN
233      (ix) FEATURE:
C--> 235      (C) IDENTIFICATION METHOD: gene scan
237      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
238  GTT CAA CAA ACC CTT TGT CTT CTT      24
C--> 241  (2) INFORMATION FOR SEQ ID NO: 8:
243      (i) SEQUENCE CHARACTERISTICS:

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RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/672,177B

TIME: 10:56:36

Input Set : N:\KEISHA\10672177B.txt

Output Set: N:\CRF4\04262006\J672177B.raw

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245      (A) LENGTH: 24
246      (B) TYPE: NUCLEIC ACID
247      (C) STRANDEDNESS: SINGLE
248      (D) TOPOLOGY: UNKNOWN
250      (ii) MOLECULE TYPE: DNA (Genomic DNA)
252      (iii) HYPOTHETICAL: No
254      (iv) ANTI-SENSE: No
C--> 256      (vi) ORIGINAL SOURCE:
258          (A) ORGANISM: HUMAN
260      (ix) FEATURE:
C--> 262      (C) IDENTIFICATION METHOD: gene scan
264      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
265      GGG AGA CTT GGT ATT TTG TTC AAT      24
```

VERIFICATION SUMMARY

DATE: 04/26/2006

PATENT APPLICATION: US/10/672,177B

TIME: 10:56:37

Input Set : N:\KEISHA\10672177B.txt

Output Set: N:\CRF4\04262006\J672177B.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:33 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:34 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:56 M:220 C: Keyword misspelled or invalid format, [(i) SEQUENCE CHARACTERISTICS:]
L:69 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:95 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:121 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:123 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
L:127 M:220 C: Keyword misspelled or invalid format, [(C) IDENTIFICATION METHOD:]
L:113 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=3
L:147 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:153 M:220 C: Keyword misspelled or invalid format, [(C) IDENTIFICATION METHOD:]
L:174 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:180 M:220 C: Keyword misspelled or invalid format, [(C) IDENTIFICATION METHOD:]
L:202 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:208 M:220 C: Keyword misspelled or invalid format, [(C) IDENTIFICATION METHOD:]
L:229 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:235 M:220 C: Keyword misspelled or invalid format, [(C) IDENTIFICATION METHOD:]
L:241 M:220 C: Keyword misspelled or invalid format, [(2) INFORMATION FOR SEQ ID NO:]
L:256 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:262 M:220 C: Keyword misspelled or invalid format, [(C) IDENTIFICATION METHOD:]